

**NOTES:**

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3 AND DWG. E-4.
2. REPLACE EXIST. STROBE (IF DIFFERENT) WITH THE SHOWN CANDELA RATED STROBE AND REREWIRE AS SHOWN. (EXIST. BACKBOX AND COND. STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL FLUSH MOUNTED STROBE, SPEAKER, OR COMBINATION INSTALLATION DETAIL "B" ON DWG. E-2).
3. ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. FOR PAINTED DRY WALL, REMOVE EXISTING STROBE, BACK BOX AND PATCH TO MATCH EXISTING WALL FINISH.
4. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING. ANY DEVIATION SHALL BE APPROVED BY THE ENGINEER, PRIOR TO INSTALLATION.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THE WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

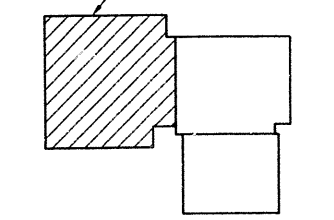
**STROBE CIRCUIT/LOADING TABLE**

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (ft.)
QUANTITY OF STROBES PER CIRCUIT							
STR-C1		1	2	2	0	0.593	238
STR-C2		2	2	1	1	0.700	294
STR-C3		6	2	0	1	0.787	233
STR-C4	FUTURE						
STR-D1		6	0	1	1	0.752	277
STR-D2		4	2	1	1	0.826	375
STR-D3	SPARE						
STR-D4	FUTURE						
STR-E1	SPARE						
STR-E2		0	2	2	0	0.530	224
STR-E3		2	1	0	1	0.435	203
STR-E4	FUTURE						
STR-F1		2	0	1	1	0.500	189
STR-F2		1	1	0	1	0.372	158
STR-F3							
STR-F4	FUTURE						
STR-G1		2	1	3	0	0.721	381
STR-G2		9	2	0	2	1.185	431
STR-G3		6	2	2	0	0.908	347
STR-G4	FUTURE						
STR-H1		7	0	4	0	1.101	354
STR-H2		12	1	2	1	1.395	531
STR-H3		1	1	2	1	0.702	425
STR-H4	FUTURE						
GRAND TOTAL						11.507	5035

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861.573 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 2/11/00 FA 02  
CONTRACT ENGR. ARCH.

DATE 2/18/00 FA 02  
ENGINEERING PROGRAM MGR.  
CONSTRUCTION SITE



**KEY PLAN**  
N.T.S.  
0 12 24  
SCALE IN FEET

**THE PORT AUTHORITY**  
OF NEW YORK  
AND NEW JERSEY

*[Signature]*  
ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER  
CHIEF ELECTRICAL ENGINEER

No.	Date	Revision	Approved
<b>ENGINEERING DEPARTMENT</b>			
<b>WORLD TRADE CENTER</b>			
<b>ELECTRICAL</b>			

Title  
**FIRE ALARM SYSTEM  
DEVICE UPGRADE  
PHASE III  
5 WTC 3rd, 4th, 5th & 6th FLOORS**

**5th FLOOR  
STROBE LAYOUT  
INSTALLATION AND  
REMOVAL  
WEST PART PLAN**

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

**FELDSTEIN APOSTLE A.S.**  
Designed by Drawn by Checked by

**NOVEMBER 26, 1999**  
Date

**WTC-861.573 E-05-4W**  
Contract Number Drawing Number